Air Quality Program

Fort Wainwright, Alaska
Environmental Officer Course
2011

Outline

I. Air Quality Summary
II. Clean Air Act
III. Permitting/Permits
IV. Emission Inventories
V. EO Responsibilities

Air Quality Summary

- Purpose:
  - Achieve and maintain air quality standards while minimizing mission impacts.
- Major Program Components:
  - Assess the need for or obtain necessary permits.
  - Perform air emissions inventories as required.
  - Coordinate with State/local officials to ensure military activities do not impede air quality attainment goals.
  - Perform technology, permitting, and preconstruction assessments before beginning construction or reconstruction of air emission

Clean Air Act

- EPA sets limits on certain air pollutants, including setting limits on how much can be in the air anywhere in the United States.

- The Clean Air Act also gives EPA the authority to limit emissions of air pollutants coming from sources like chemical plants, utilities, and steel mills.

Clean Air Act

- Goals:
  - Reducing outdoor concentration of air pollutants that cause smog, haze, acid rain, and other problems;
  - Reducing emissions of toxic air pollutants that cause cancer or other serious health effects;
  - Phasing out production and use of chemicals that destroy stratospheric ozone.

Clean Air Act

- New Source Review/Prevention of Significant Deterioration Program
  - Ensures that new sources of emissions do not infringe on public health or negatively impact National Ambient Air Quality Standards (NAAQS).
- Title V Operating Permit Program
  - Rolls in operating standards and criteria for sources that emit air pollutants above a certain threshold.

Permits and Permitting

- New construction or modifications to operations must be evaluated to determine air quality permitting, monitoring, and operating requirements.

- Fort Wainwright's emissions from its current operations/activities are regulated and monitored through two Title V permit.
  - One permit for utilities operations (i.e. Doyon).
  - Second permit accounts for emissions from operations maintained by U.S. Army.

Emission Inventories

- Emission inventories are the cornerstone of air quality compliance determinations.

- Specific information is often required to calculate air emissions from emitting units.
  - A requisite list of records and documentation needed for Air Quality compliance will be provided to the Environmental Officers.
  - Hazardous Material use and tracking is an integral part of emission inventory development and required by Garrison Regulation 200-1

EO Responsibilities

- Ensure projects or changes in operation are evaluated for air quality requirements.
- All sources of air emissions are considered for emission inventory tracking and reporting. Maintain appropriate documents and records required for source emission calculations.
- Active participation in Hazardous Materials Management Program.

END

INSTALLATION MANAGEMENT COMMAND

"Sustain, Support and Defend"